

Practitioner's Docket No.: 789\_116

**PATENT**

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

In re the application of: Yukihiisa TAKEUCHI

Filed: Concurrently Herewith

For: LIGHT-EMITTING DEVICE AND FIELD EMISSION DISPLAY HAVING SUCH  
LIGHT-EMITTING DEVICES

Mail Stop Patent Application  
Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

I hereby certify that this paper is being deposited with the United States Postal Service "Express Mail Post Office to Addressee" service under 37 CFR 1.10 addressed to Mail Stop Patent Application, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450 on September 26, 2003 under "EXPRESS MAIL" mailing label number EV 306426982 US.

*Elizabeth A. VanAntwerp*  
Elizabeth A. VanAntwerp

**INFORMATION DISCLOSURE STATEMENT**

Sir:

Pursuant to 37 C.F.R. §1.56, the attention of the Patent and Trademark Office is hereby directed to the references listed on the attached Form PTO-1449. Copies of References AA through AS listed on Form PTO-1449 are attached. In accordance with the Notice dated July 11, 2003 on the PTO website, we are not enclosing copies of any of the U.S. references listed on Form PTO-1449.

In compliance with the concise explanation requirement under 37 CFR § 1.98(a)(3) for foreign language documents, References AA-AE and AP-AR are discussed on pages 1 and 2 of the present specification.

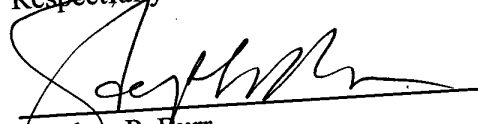
Applicant respectfully submits that Reference AL corresponds to U.S. '802, Reference AN corresponds to Reference AM, and Reference AO corresponds to U.S. '827.

The above information is presented so that the Patent and Trademark Office may, in the first instance, determine any materiality thereof to the claimed invention. See 37 C.F.R.

1.104(a) and 1.106(b) concerning the PTO duty to consider and use any such information. It is respectfully requested that the information be expressly considered during the prosecution of this application, and that these references be made of record therein and appear among the "References Cited" on any patent to issue therefrom.

September 26, 2003  
Date

Respectfully submitted,

  
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Form PTO-1449  US DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE  <b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b>  <i>(use as many sheets as necessary)</i>				<i>Complete if Known</i>	
				Application Number	
				Filing Date	
				First Named Inventor	
				Art Unit	
				Examiner Name	
				Confirmation No.	
Sheet	1	of	2	Attorney Docket No.	
				789_116	

### U.S. PATENT DOCUMENTS

Exam. Initial	Document Number	Date	Name	Our Docket No.	Class	Sub Class	Filing Date
	5,874,802	02-23-1999	Choi et al.				
	2002/0153827	10-24-2002	Takeuchi et al.				

### FOREIGN PATENT DOCUMENTS

	Document Number	Date	Country	Class	Sub Class	Translation	Abstract
AA	1-311533 A	12-15-1989	JP				✓
AB	7-147131 A	06-06-1995	JP			JPO Machine Translation	✓
AC	2000-285801 A	10-13-2000	JP			JPO Machine Translation	✓
AD	46-20944	06-12-1971	JP			✓	
AE	44-26125	11-04-1969	JP			✓	
AF	11-185600	07-09-1999	JP			JPO Machine Translation	✓
AG	10-27539 A	01-27-1998	JP			JPO Machine Translation	✓
AH	11-288249 A	10-19-1999	JP			JPO Machine Translation	✓
AI	63-150837 A	06-23-1988	JP				✓
AJ	09-090882 A	04-04-1997	JP			JPO Machine Translation	✓
AK	59-208587	11-26-1984	JP			Partial	
AL	3160213 B2	02-16-2001	JP			JPO Machine Translation	✓
AM	0 953 958 A2	11-03-1999	EP				
AN	2000-310970 A	11-07-2000	JP			JPO Machine Translation	✓
AO	02/052600 A1	07-04-2002	WO				

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Form PTO-1449

US DEPARTMENT OF COMMERCE  
PATENT AND TRADEMARK OFFICE**INFORMATION DISCLOSURE  
STATEMENT BY APPLICANT**

(use as many sheets as necessary)

*Complete if Known*

Application Number

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First Named Inventor

Art Unit

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Confirmation No.

Attorney Docket No.

Concurrently Herewith

Yukihisa TAKEUCHI

789\_116

Sheet

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of

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**U.S. PATENT DOCUMENTS**

Exam. Initial	Document Number	Date	Name	Our Docket No.	Class	Sub Class	Filing Date

**U.S. COPENDING APPLICATIONS**

Exam. Initial	Application/ Publication Number	Filing/ Publication Date	Inventor Name	Our Docket No.	Class	Sub Class

**OTHER DOCUMENTS**

(Including Author, Title, Date, Pertinent Pages etc.)

AP	"Pulsed Electron Source Using a Ferroelectric Cathode," Tokyo Institute of Technology, Vol. 68, No. 5, 7 January 1999, pp. 546-550.
AQ	Puchkarev, Victor F. and Mesyats, Gennady A., "On the Mechanism of Emission from the Ferroelectric Ceramic Cathode," Journal of Applied Physics, Vol. 78, No. 9, 1 November 1995, pp. 5633-5637.
AR	Riege, H., "Electron Emission from Ferroelectrics - a Review," Nucl. Instr. and Meth. A340, 1994, pp. 80-89.
AS	Masatoshi Miyake et al., "Electron Emission from Ferroelectric Cathodes Excited by Pulsed Voltage," Tokyo Institute of Technology, Vol. 119, No. 5, 1999 pp. 622-627.

Examiner:

Date Considered:

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